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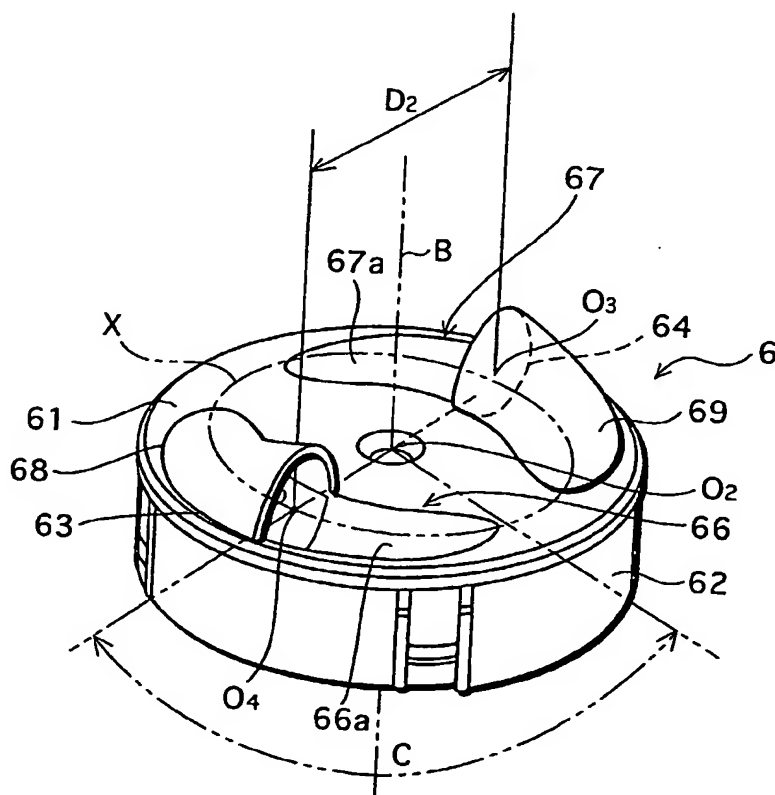
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(54) Title: LOW-PRESSURE MERCURY LAMP AND METHOD FOR ASSEMBLING THE SAME



(57) Abstract: An arc tube (2) is formed by a glass tube that is turned at a substantially middle thereof and wound around a spiral axis (13) from the middle, preferably to have a double-spiral structure. End portions of the arc tube are wound around the spiral axis (13). A holder (6) has insertion openings (63, 64) formed therein in such shapes that correspond to shapes of the ends of the arc tube (2). The insertion openings allow the ends of the arc tube (2) to be inserted along a bottom wall of the holder (6). The holder preferably also includes guide grooves (66a, 67a) provided in the areas before the insertion openings (63, 64) in the spiral direction of the ends of the arc tube (2). The guide grooves (66a, 67a) allow the end portions of the arc tube (2) to come in contact, and when the arc tube is rotated around the axis (13), guide the ends of the arc tube (2) to the insertion openings (63, 64).



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## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/03/09234

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 H01J5/54 H01J61/32 H01J9/34

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 675 215 A (SOULES THOMAS F ET AL) 7 October 1997 (1997-10-07) column 5, line 11 - column 6, line 63; figures 2,3	1-11
X	EP 1 182 688 A (GEN ELECTRIC) 27 February 2002 (2002-02-27) figure 5	1-4,6, 10-12
E	WO 03/083360 A (KOTAKI TOSHIKATSU ; TOMIYOSHI YASUSHIGE (JP); IIDA SHIRO (JP); KITAGAW) 9 October 2003 (2003-10-09) abstract; figures 1,2,4,5	1-4,6-13

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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EP 1182688	A	27-02-2002	CN EP	13-03-2002 27-02-2002
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